



Product Evaluation

DR872 | 0118

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-872

Effective Date: January 1, 2018

Re-evaluation Date: October 2018

Product Name: Series 623.620 Earthwise Vinyl Frame Sliding Glass Door, Frame Installation, Impact Resistant

Manufacturer: Earthwise Group, LLC, Manufactured by
Showcase Custom Vinyl Windows and Doors
A Product of Enlight Industries, LLC
1702 Cullen Blvd.
Houston, TX 77023
Telephone: (713) 926-8500

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 623.620 Sliding Glass Door; (OXXO)	SD-C50 192 X 96 Missile Level D; DP +/- 50 psf	+50 / -50 psf
2	Series 623.620 Sliding Glass Door; (OXXO)	LC-PG65 192 X 96 Missile Level D; DP +/- 60 psf	+60/ -60 psf

Product Dimensions:

System	Overall Size	Operable and Fixed Panel Size
1	192" x 96"	48 -3/4" x 93-1/4"
2	192" x 96"	49-3/16" x 93-1/2"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 839-325, CAR 839-608
	Product Name	Series 623.320 PD PVC Impact Sliding Glass Door OXXO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-05 / ASTM E 1996-05 Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 839-1631, CAR 839-227
	Product Name	Series 623.620 PD PVC Impact Sliding Glass Door OXXO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 ASTM E 1886-05 / ASTM e 1996-09 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the assemblies' design pressure rating.

Installation:

System		
1	Type of Installation	Frame Installation
	Wall Framing	Southern Yellow Pine
	Fasteners	Minimum No. 8 Phillips PH SMS
	Fastener Location/Spacing	Seven in each jamb located at: 6", 20", 34", 48", 62", 76", and 84", measured from frame sill to frame head. Sixteen in the frame head and frame sill located at: 6", 18", 30", 42", 54", 66", 78", 90", 102", 114", 124", 136", 148", 160", 172", 184", and 196" measuring from left frame jamb to right frame jamb.
	Fastener Penetration	Minimum 1-1/2" into the wall framing
2	Type of Installation	Frame Installation
	Wall Framing	Southern Yellow Pine
	Fasteners	Minimum No. 8 Phillips PH SMS
	Fastener Location/Spacing	Locate fasteners in each frame jamb, the frame head, and the frame sill approximately 6" from each end and a maximum of 12" on center.
	Fastener Penetration	Minimum 1-1/2" into the wall framing

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.